

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A method of fabricating a polyurethane foam with micro pores comprising the steps of:

(a) adding a at least one nonionic surfactant containing a hydroxyl group into at least one of a first ingredient including an isocyanate group-containing compound and a second ingredient including an active hydrogen group-containing compound;

(b) generating micro pores within the mixture of step (a) by agitating and mixing the said mixture of the first ingredient and the second ingredient of step (a) while adding a non-reactive gas thereto;

(c) discharging the mixture of step (b) out of a container at a predetermined rate; and

(d) injecting the discharged mixture of step (c) into a mold so as to form into a predetermined shape.

2. (Original) The method according to claim 1, wherein the steps (b) and (c) are carried out simultaneously.

3. (Original) The method according to claim 1, wherein, in the step

(b), the non-reactive gas is injected at a rate of 0.1 to 1 L/min per kg of the discharged mixture.

4. (Original) The method according to claim 3, wherein, in the step (b), the non-reactive gas is injected by a rate of 0.3 to 0.7 L/min per 100 kg of the discharged mixture.

5. (Previously presented) The method according to claim 1, wherein, in the step (c), the amount of the discharged mixture is 2 to 20 kg/min.

6. (Original) The method according to claim 5, wherein, in the step (c), the amount of the discharged mixture is 2 to 7 kg/min.

7. (Previously presented) The method according to claim 3, wherein the step (b) is carried out under a pressure of 2 to 15 bar.

8. (Original) The method according to claim 7, wherein the step (b) is carried out under a pressure of 4 to 10 bar.

9. (Previously presented) The method according to claim 1, wherein the amount of the added surfactant is 0.1 to 10 parts by weight with respect to 100 parts by weight of the isocyanate group-containing compound.

10. (Original) The method according to claim 9, wherein the content of the surfactant in the mixture in the step (b) is 1 to 3 parts by weight with respect to 100 parts by weight of the isocyanate group-containing compound.

11. (Previously presented) The method according to claim 1, wherein

the content of the active hydrogen group-containing compound in the mixture in the step (b) is 15 to 50 parts by weight with respect to 100 parts by weight of the isocyanate group-containing compound.

12. (Previously presented) The method according to claim 1, wherein the isocyanate group-containing compound is an isocyanate terminated urethane prepolymer.

13. (Currently amended) The method according to claim 9, wherein at least one ~~the~~ nonionic surfactant is a silicone-based nonionic surfactant containing a hydroxyl group, or a mixture of a silicone-based nonionic surfactant containing a hydroxyl group and a silicone-based nonionic surfactant containing no hydroxyl group, ~~or a mixture thereof.~~

14. (Previously presented) The method according to claim 1, wherein the mixture in the step (b) further comprises an organic hollow sphere or an inorganic hollow sphere.

15. (Currently amended) A method of fabricating a polyurethane foam with micro pores comprising the steps of:

(a) adding 0.1 to 10 parts by weight of a at least one silicone-based nonionic surfactant containing a hydroxyl group with respect to 100 parts by weight of the isocyanate terminated urethane prepolymer into at least one of a first ingredient including an isocyanate terminated urethane prepolymer and a second ingredient including an active hydrogen group-containing compound;

(b) mixing and agitating the first ingredient and the second ingredient under a pressure of 2 to 15 bar while injecting a non-

reactive gas thereinto, and discharging the mixture by a rate of 2 to 20 kg/min to the outside, in which the non-reactive gas is injected by a rate of 0.1 to 1 L/min per kg of the discharged mixture; and

(c) injecting the discharged mixture into a mold for molding.

16. (Original) The method according to claim 15, wherein, in the step (b), the non-reactive gas is injected by a rate of 0.3 to 0.7 L/min per kg of the mixture of the first ingredient and the second ingredient, and the pressure is 4 to 10 bar; and

in the step (c), the amount of the discharged mixture is 2 to 7 kg/min.

17. (Currently amended) The method according to claim 15, wherein, in the step (a), ~~the~~ at least one silicone-based nonionic surfactant is a silicone-based nonionic surfactant containing a hydroxyl group, or a mixture of a silicone-based nonionic surfactant containing a hydroxyl group, and a silicone-based nonionic surfactant containing no hydroxyl group, ~~or a mixture thereof.~~

18. (Original) A polishing pad fabricated by using a method as claimed in claim 1.

19. (Original) The polishing pad according to claim 18, wherein the polishing pad has density of 0.5 to 1.0 g/cm³ and hardness of shore D of 50 to 70.

20. (Original) A polishing pad fabricated by using a method as claimed in claim 15.

21. (Original) A polishing pad fabricated by using a method as claimed in claim 16.

22. (Currently amended) A polishing pad for planarizing a substrate surface, comprising a matrix having micro pores formed by non-reactive gases in a non-supercritical state, dispersed in an additive such as an isocyanate terminated urethane prepolymer or active hydrogen compound and silicone-based nonionic surfactant,

wherein the micro pores form a continuous surface of the matrix by being exposed in the order approaching the surface in accordance with the polishing degree of the surface of the matrix, and

the proportion of volume of the micro pores with respect to the matrix is in the range of 17% to 59% in the unit volume.

23. (Currently amended) A The polishing pad ~~as-claimed-in~~ of claim 22, wherein the micro pores included in the matrix ~~is~~ are about 20 to 150 μ m in size.

24. (Currently amended) A The polishing pad ~~as-claimed-in~~ of claim 22, wherein the micro pores included in the matrix ~~is~~ are about 50 to 80 μ m in size.

25. (Currently amended) A The polishing pad ~~as-claimed-in~~ of claim 22, wherein the proportion of volume of the micro pores with respect to the matrix is in the range of 25% to ~~42%~~ 42% in the unit volume.